

## Human Secreted Protein, Zzp1

## ABSTRACT OF THE DISCLOSURE

The present invention relates to polynucleotide and polypeptide molecules, and variants thereof, for Zzp1, a novel Zona Pellucida protein. The polypeptides, and polynucleotides encoding them, are fertility modulating and may be used for delivery and therapeutics. The present invention also includes antibodies to the Zzp1 polypeptides.

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